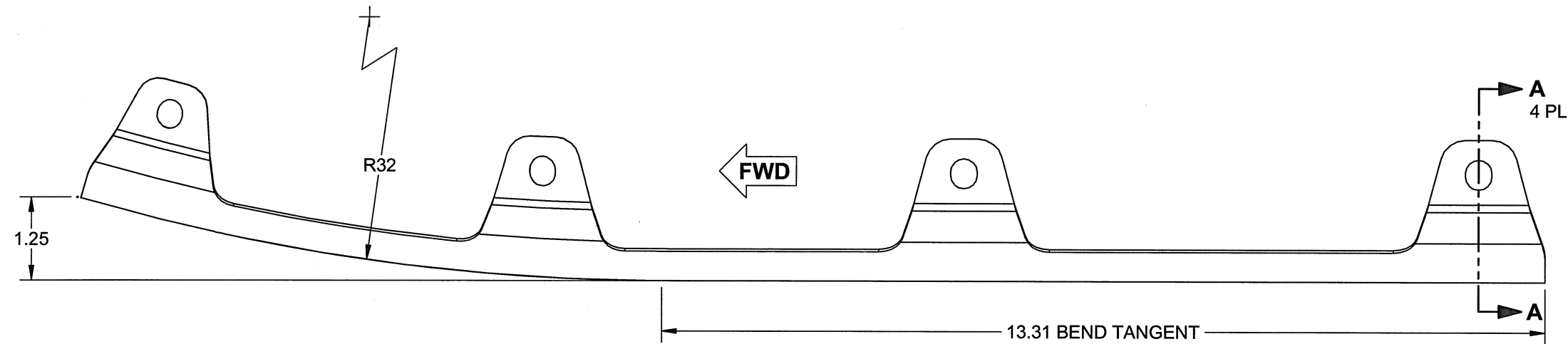
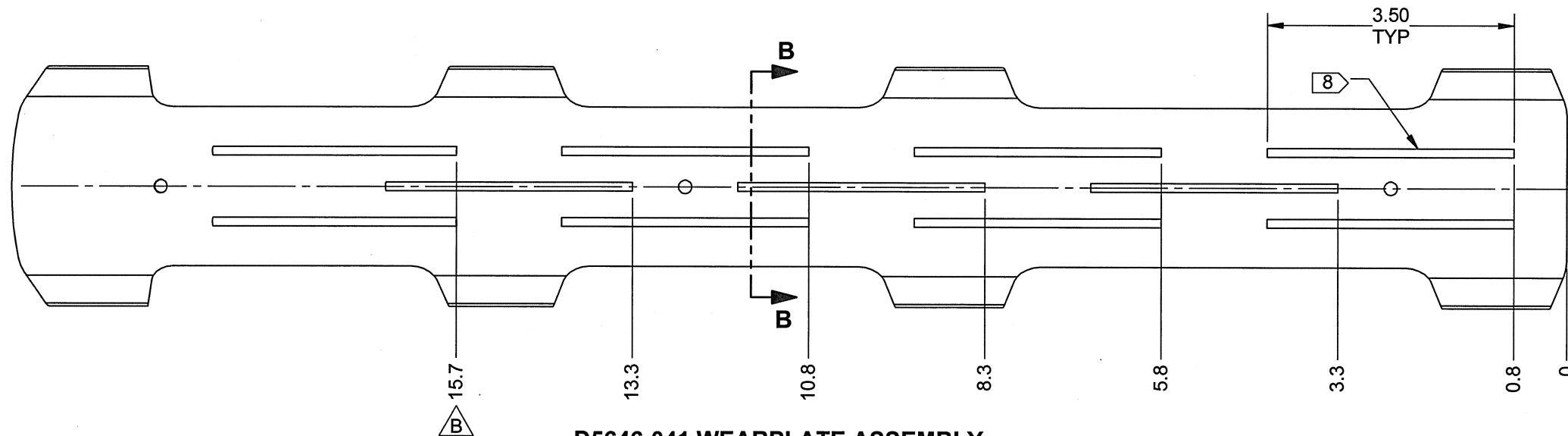


QTY -041	P/N	DESCRIPTION
X	D5646-041	WEARPLATE ASSEMBLY
1	D5646-1	WEARPLATE
A/R	8259	HARDCOAT SURFACING (AUTOMATED WELDING)
A/R	2059B	HARDCOAT SURFACING (MANUAL WELDING)



**D5646-1 WEARPLATE**  
(MAKE FROM D5646-1F)



**D5646-041 WEARPLATE ASSEMBLY**

**NOTES:**

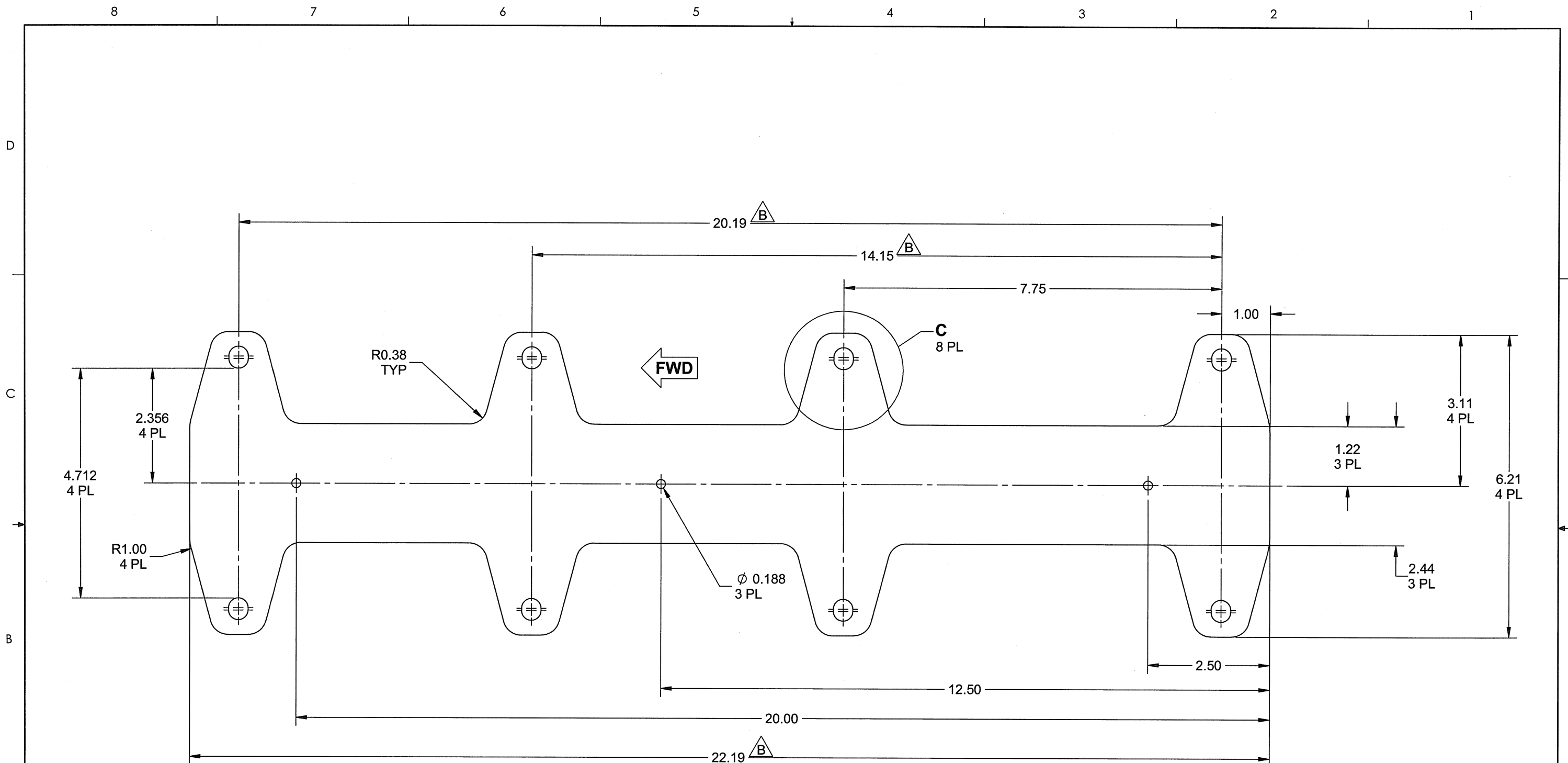
- 1) MATERIAL: N/A
- 2) FINISH: COAT ENTIRE TOP (CONCAVE) SURFACE WITH TEXTURED COATING PER DART QSI 005 4.9
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY PER DART QSI 044 6.6
- 7) WEIGHT: D5646-041 = 1.15 lbs
- 8) BUILD UP HARD SURFACING 0.06 TO 0.13 THICK USING 8259 ROD PER DART QSI 004 4.5 (AUTOMATED WELDING) OR BUILD UP HARD SURFACING 0.06 TO 0.13 THICK USING 2059B ROD PER DART QSI 004 4.1 (MANUAL WELDING)

**RELEASED**

2019 OCT 07  
ECN 19-121

APPROVED

B	REVISED -1F PER FIT TEST (20.19 WAS 20.12, 14.15 WAS 14.23, 22.19 WAS 22.12). CORRECTED TYPO ON SHT 1	ZF	19.09.24
A	NEW ISSUE	ZF	18.05.25
REV.	DESCRIPTION	BY	DATE
DESIGN	ZF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	ZF		
CHECKED	MW	DRAWING NO. <b>D5646</b>	
MFG. APPR.	DD	REV. B SHEET 1 OF 9	
APPROVED	NO	TITLE <b>WEARPLATE ASSEMBLY</b>	
DE APPR.	CP	SCALE NTS	
DATE	19.09.24	COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



**D5646-1F FLAT PATTERN**

**NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET ANNEALED, 18 GAUGE (0.050) THICK  
PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240  
REF DART SPEC M304S18GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 1.09 lbs

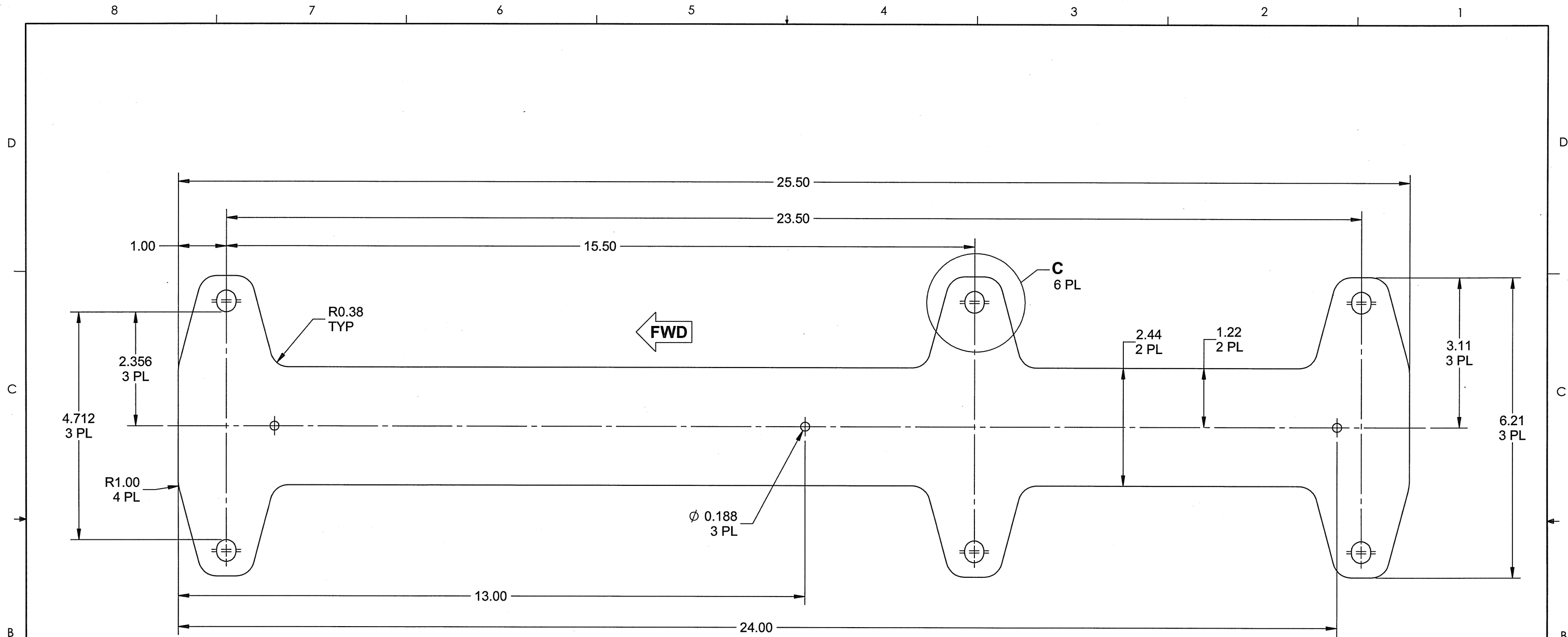
**RELEASED**

2019 OCT 07

APPROVED

DESIGN	ZF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	ZF		
CHECKED	MW	DRAWING NO.	REV. B
MFG. APPR.	DD	<b>D5646</b>	SHEET 2 OF 9
APPROVED	NO	TITLE	SCALE
DE APPR.	CP	<b>WEARPLATE ASSEMBLY</b>	NTS
DATE	19.09.24	COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	





# **D5646-3F FLAT PATTERN**

## **NOTES:**

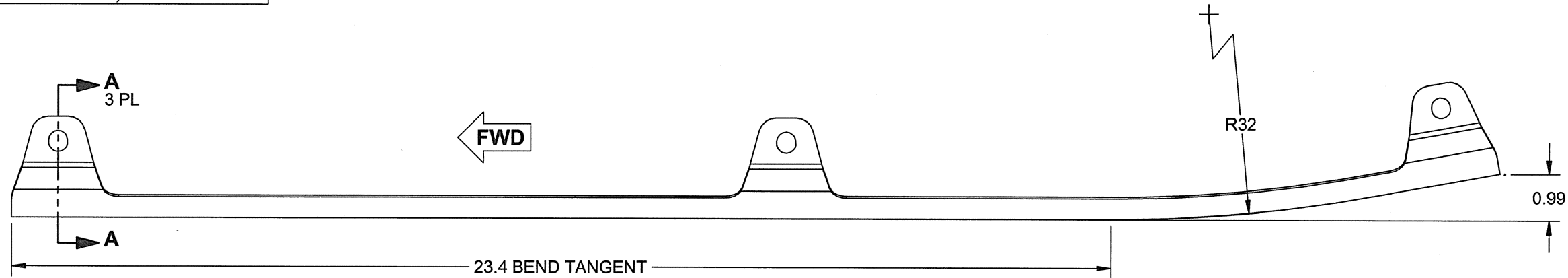
- 1) MATERIAL: AISI 304/316 SS SHEET ANNEALED, 18 GAUGE (0.050) THICK  
PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240  
REF DART SPEC M304S18GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 1.13 lbs

**RELEASED**  
2019 OCT 07

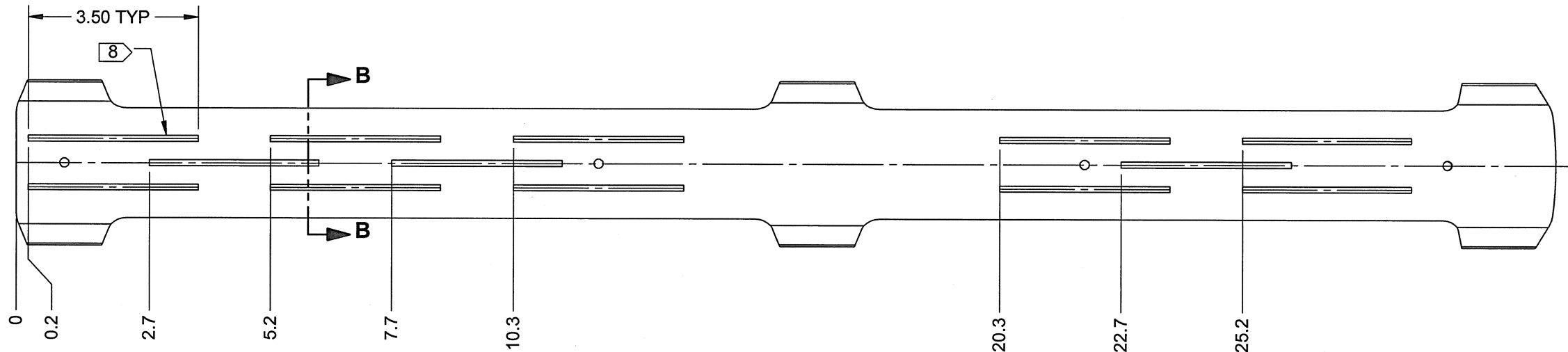
APPROVED

DESIGN	ZF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	ZF		
CHECKED	MW	DRAWING NO.	REV. B
MFG. APPR.	DD	<b>D5646</b>	SHEET 4 OF 9
APPROVED	NO	TITLE	SCALE
DE APPR.	CP	<b>WEARPLATE ASSEMBLY</b>	NTS
DATE	19.09.24	<small>COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

QTY -045	P/N	DESCRIPTION
X	D5646-045	WEARPLATE ASSEMBLY
1	D5646-5	WEARPLATE
A/R	8259	HARDCOAT SURFACING (AUTOMATED WELDING)
A/R	2059B	HARDCOAT SURFACING (MANUAL WELDING)



**D5646-5 WEARPLATE**  
(MAKE FROM D5646-5F)



**D5646-045 WEARPLATE ASSEMBLY**

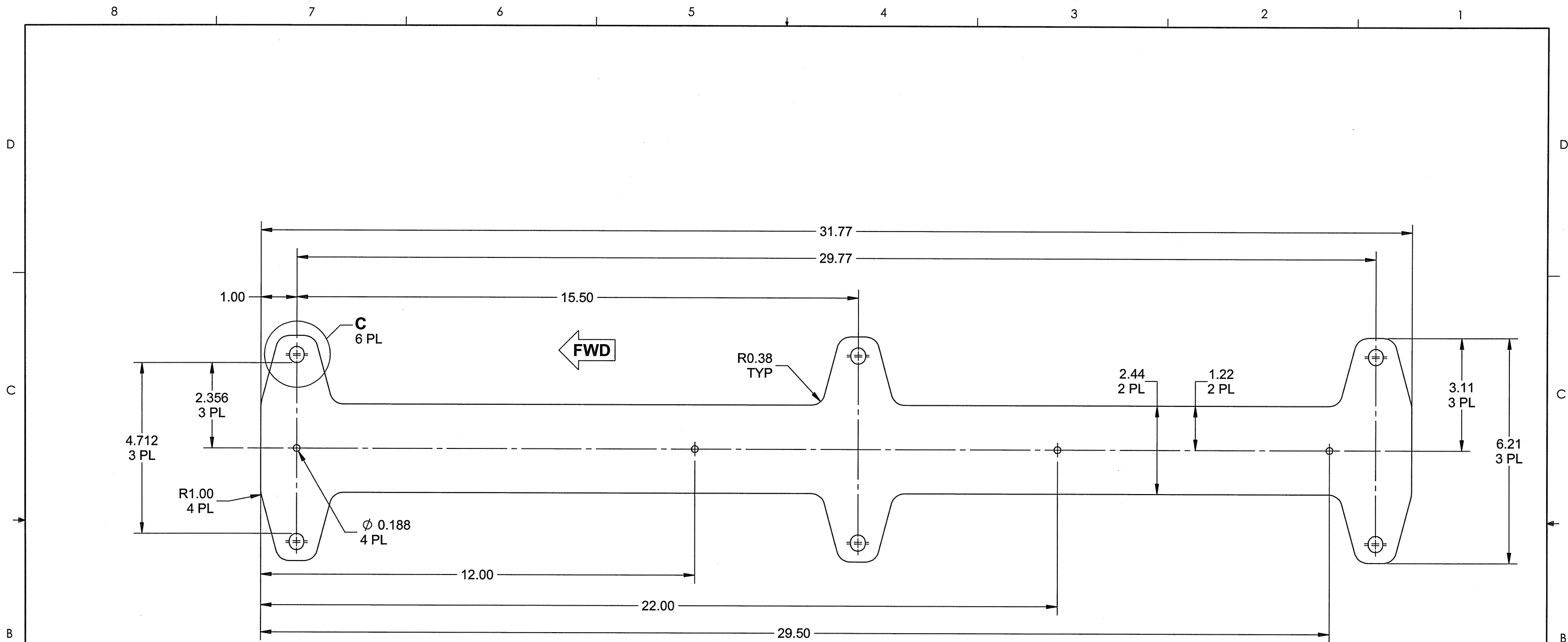
- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: COAT ENTIRE TOP (CONCAVE) SURFACE WITH TEXTURED COATING PER DART QSI 005 4.9
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: N/A
  - 6) IDENTIFICATION: IDENTIFY PER DART QSI 044 6.6
  - 7) WEIGHT: D5646-045 = 1.43 lbs
  - 8) BUILD UP HARD SURFACING 0.06 TO 0.13 THICK USING 8259 ROD PER DART QSI 004 4.5 (AUTOMATED WELDING) OR BUILD UP HARD SURFACING 0.06 TO 0.13 THICK USING 2059B ROD PER DART QSI 004 4.1 (MANUAL WELDING)

RELEASED

2019 OCT 07

APPROVED

DESIGN	ZF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	ZF		
CHECKED	MW	DRAWING NO. <b>D5646</b>	REV. B
MFG. APPR.	DD		SHEET 5 OF 9
APPROVED	NO	TITLE	SCALE
DE APPR.	CP	<b>WEARPLATE ASSEMBLY</b>	NTS
DATE	19.09.24	<b>COPYRIGHT © 2018 BY DART AEROSPACE LTD</b> THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



**D5646-5F FLAT PATTERN**

**NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET ANNEALED, 18 GAUGE (0.050) THICK  
PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240  
REF DART SPEC M304S18GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 1.35 lbs

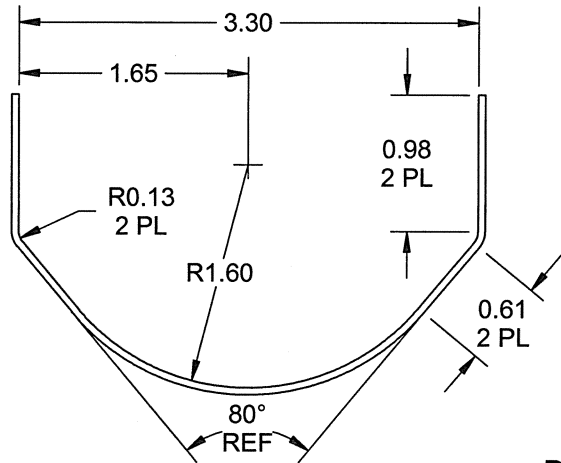
**RELEASED**

2019 OCT 07

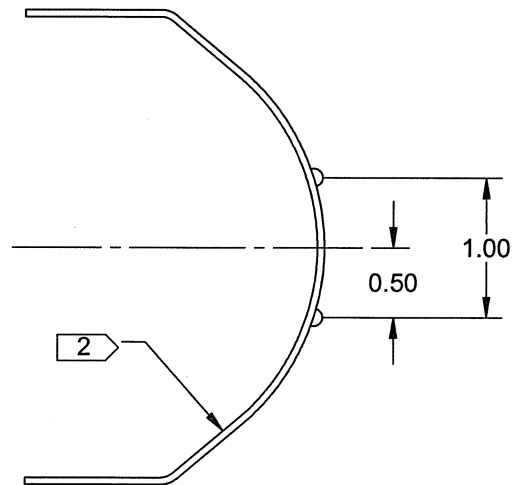
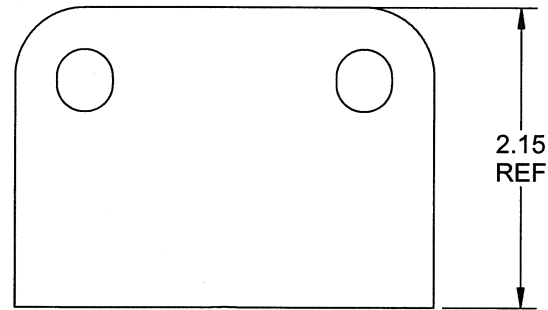
APPROVED

DESIGN	ZF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	ZF		
CHECKED	MW	DRAWING NO.	REV. B
MFG. APPR.	DD	<b>D5646</b>	SHEET 6 OF 9
APPROVED	NO	TITLE	SCALE
DE APPR.	CP	<b>WEARPLATE ASSEMBLY</b>	NTS
DATE	19.09.24	<small>COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

QTY -047	P/N	DESCRIPTION
X	D5646-047	WEARPLATE ASSEMBLY
1	D5646-7	WEARPLATE
A/R	8259	HARDCOAT SURFACING (AUTOMATED WELDING)
A/R	2059B	HARDCOAT SURFACING (MANUAL WELDING)



**D5646-7 WEARPLATE**  
(MAKE FROM D5646-7F)



**D5646-047 WEARPLATE ASSEMBLY**

**NOTES:**

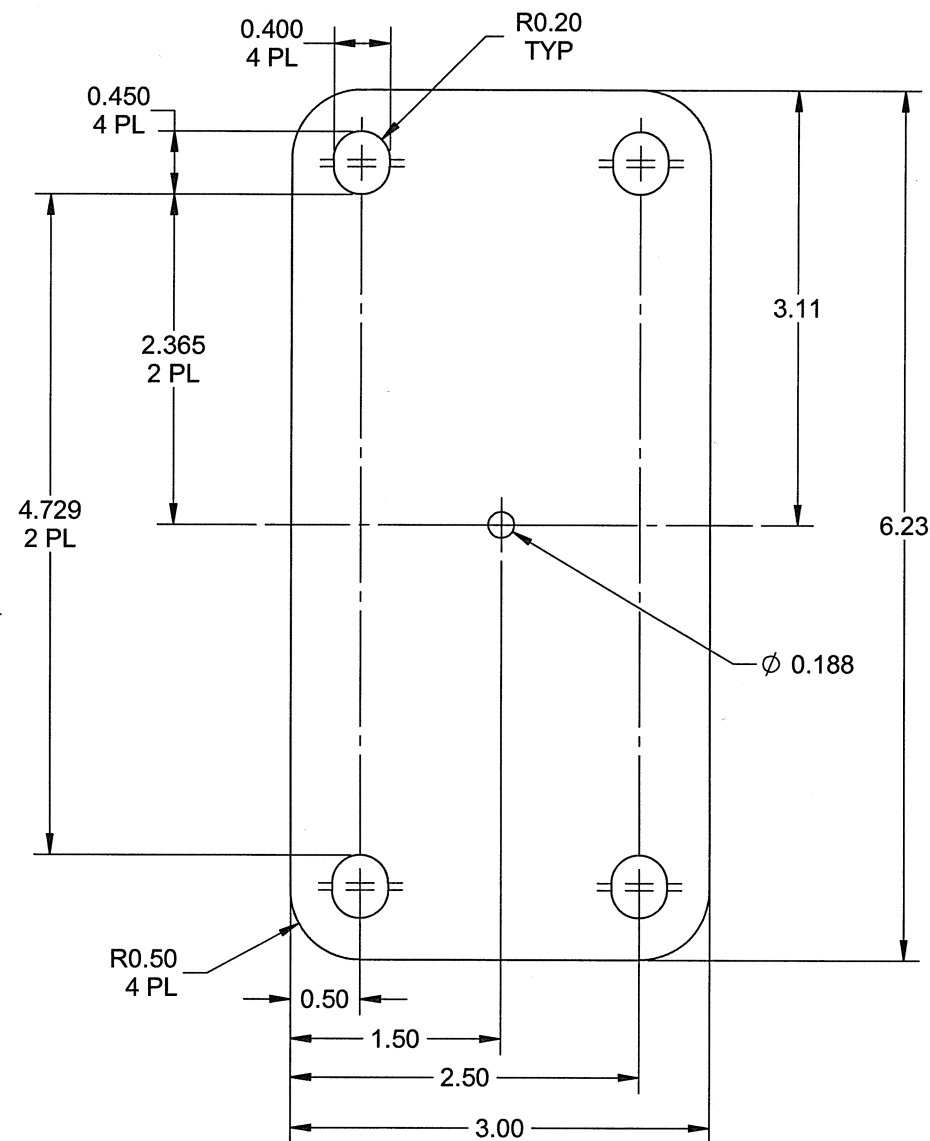
- 1) MATERIAL: N/A
- 2) FINISH: COAT ENTIRE TOP (CONCAVE) SURFACE WITH TEXTURED COATING PER DART QSI 005 4.9
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY PER DART QSI 044 6.6
- 7) WEIGHT: D5646-047 = 0.3 lbs
- 8) BUILD UP HARD SURFACING 0.06 TO 0.13 THICK USING 8259 ROD PER DART QSI 004 4.5 (AUTOMATED WELDING) OR BUILD UP HARD SURFACING 0.06 TO 0.13 THICK USING 2059B ROD PER DART QSI 004 4.1 (MANUAL WELDING)

RELEASED

2019 OCT 07

APPROVED

DESIGN	ZF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	ZF		
CHECKED	MW	DRAWING NO.	REV. B
MFG. APPR.	DD	<b>D5646</b>	SHEET 7 OF 9
APPROVED	NO	TITLE	SCALE
DE APPR.	CP	<b>WEARPLATE ASSEMBLY</b>	NTS
DATE	19.09.24	COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



**D5646-7F FLAT PATTERN**

**NOTES:**

- 1) MATERIAL: MAKE FROM AISI 304/316 SHEET ANNEALED, 18 GAUGE (0.050) THICK,  
PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240  
REF DART SPEC M304S18GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.3 lbs

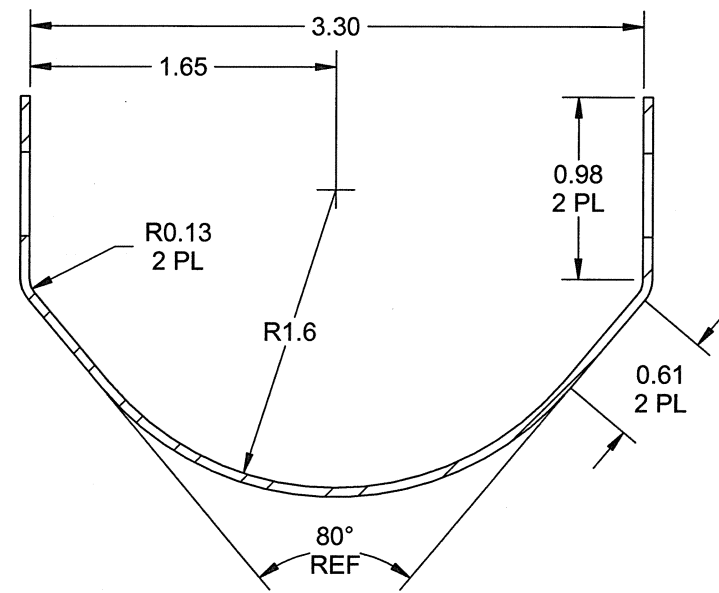
**RELEASED**

2019 OCT 07

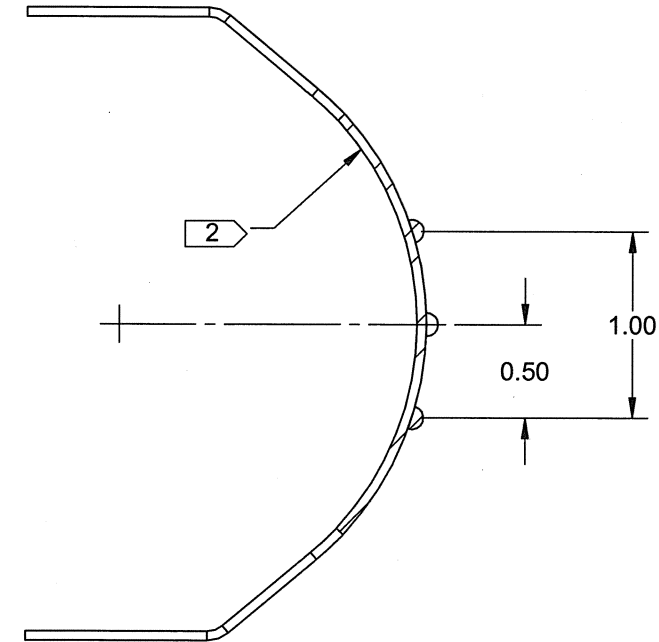
APPROVED

DESIGN	ZF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	ZF		
CHECKED	MW	DRAWING NO. <b>D5646</b>	REV. B
MFG. APPR.	DD		SHEET 8 OF 9
APPROVED	NO	TITLE	SCALE
DE APPR.	CP	<b>WEARPLATE ASSEMBLY</b>	NTS
DATE	19.09.24	<small>COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

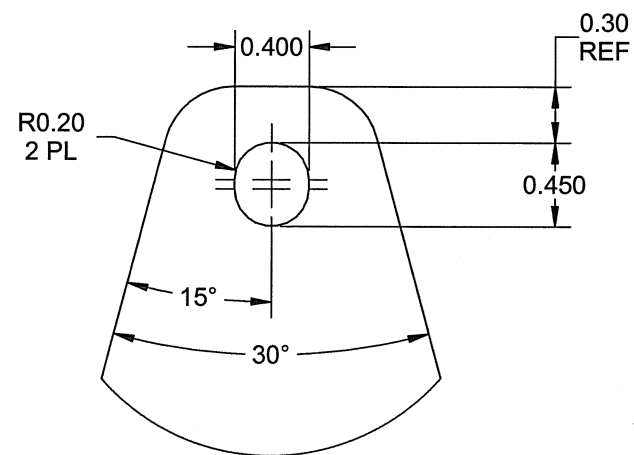




**SECTION A-A**  
FORMING DETAIL



**SECTION B-B**  
WELD DETAIL



**DETAIL C**  
LUG DETAIL

RELEASED  
2019 OCT 07

APPROVED

DESIGN	ZF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	ZF		
CHECKED	MW	DRAWING NO. <b>D5646</b>	REV. B
MFG. APPR.	DD		SHEET 9 OF 9
APPROVED	NO	TITLE	SCALE
DE APPR.	CP	<b>WEARPLATE ASSEMBLY</b>	NTS
DATE <b>19.09.24</b>		<b>COPYRIGHT © 2018 BY DART AEROSPACE LTD</b> THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	